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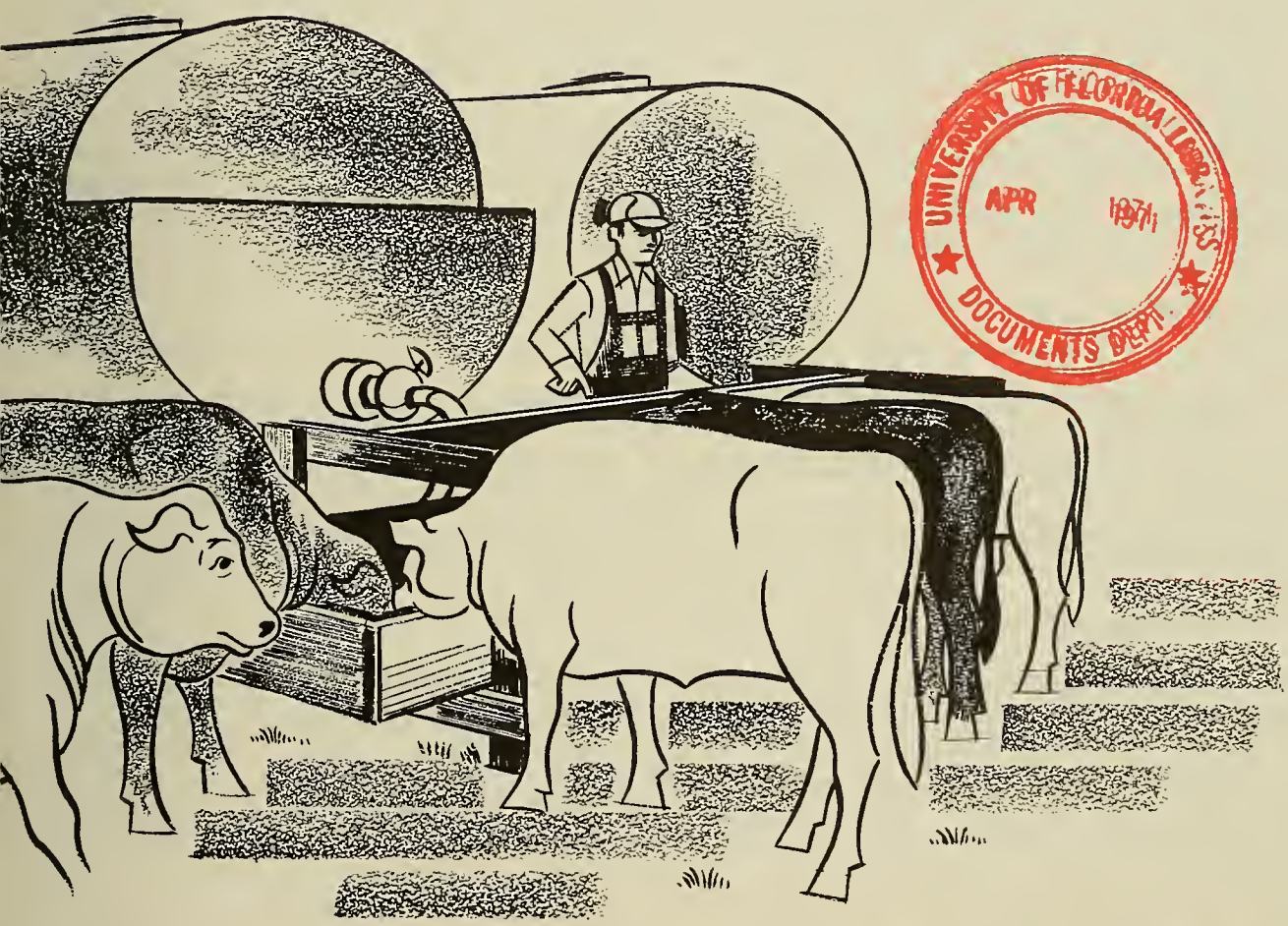
Molasses MARKET NEWS



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ANNUAL SUMMARY 1970

CONSUMER AND MARKETING SERVICE
U. S. DEPARTMENT OF AGRICULTURE WASHINGTON, D. C. C&MS-2 (1970)

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Grain Division
Consumer and Marketing Service

March 1971

HIGHLIGHTS OF 1970

Prices of molasses generally declined during 1970 with the closing prices around 8 percent below a year earlier. However, prices for the year averaged 12 percent above the 1969 level. Supplies of molasses, both imports and domestic production, were higher than in 1969. The increased demand from the feed industry kept supply and demand in fair balance.

PRICES

Cane Molasses

Prices of cane blackstrap molasses during 1970 showed only minor changes during the year. From January through April the price at New Orleans held steady at 15¢ and from mid-August through December the price held at 13-1/2¢ per gallon. Prices declined around 1-1/2¢ per gallon during May, June and July. Although prices closed 1-1/2¢ under the closing price of 1969, the average price was about 1-1/2¢ above the 1969 average. Prices at interior markets were mostly 2-3¢ per gallon above a year ago, reflecting freight rate increases. The most significant factor responsible for the narrow price range was the discontinuance early in 1970, of the practice by sellers of providing for a "guarantee against price decline." Also, increases in freight rates, both ocean and rail, plus off-shore replacement costs and increased feed usage, moderated the normal sharp down-turns.

Beet Molasses

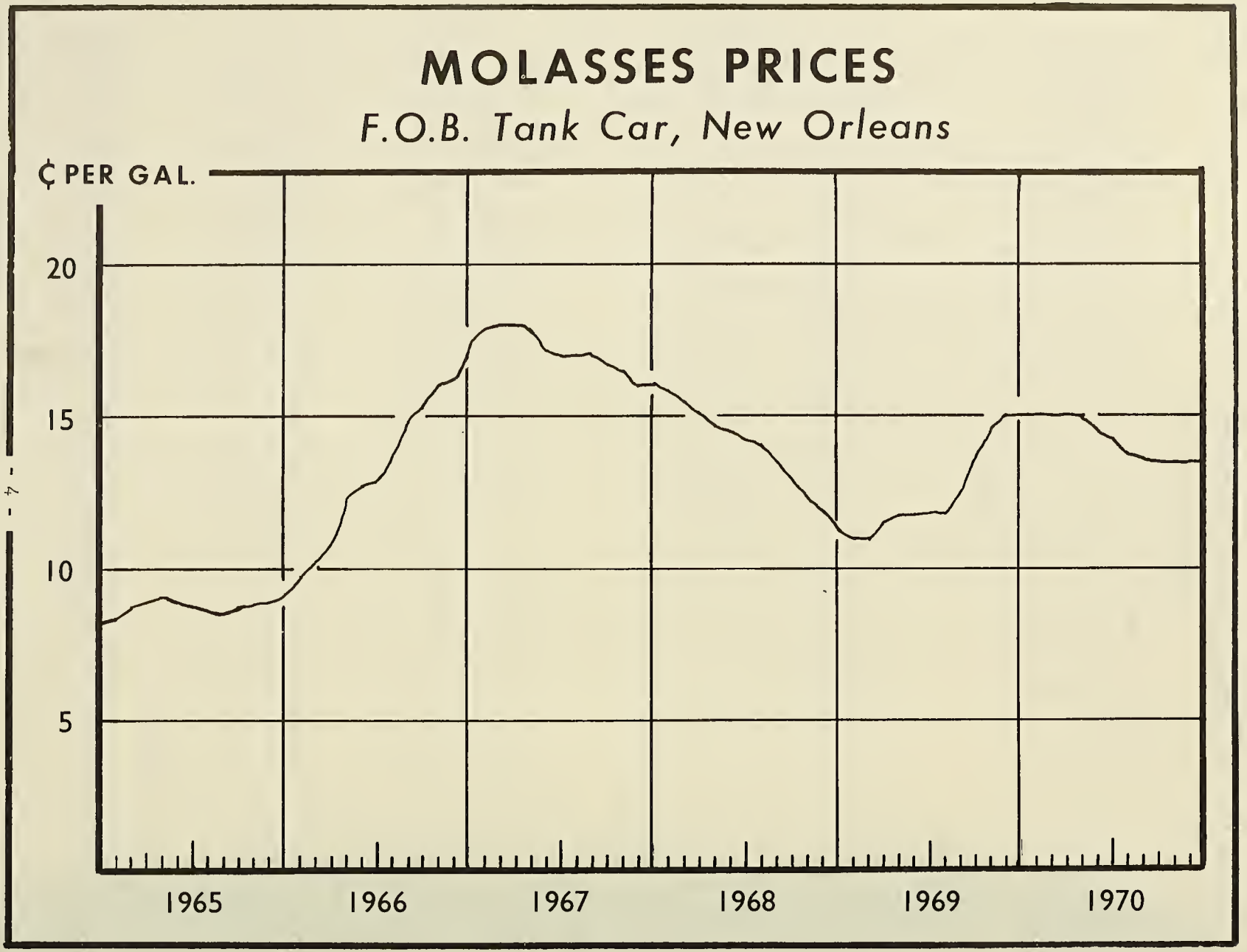
Prices during 1970 followed the same mixed trend as the past few seasons. Prices in the Oregon-Utah-Idaho area, where competition from cane molasses is light, held unchanged all year at $37.00 per ton. In the Colorado-Wyoming-Montana area, the product found good demand and prices advanced $1.50 above the 1969 average. The principal use of this product continued to be as an additive to beet pulp, which moved to the heavily concentrated feedlots located in the area. Liquid supplies were adequate to meet demands.

Citrus Molasses

Despite increases late in the year, prices of citrus molasses in 1970 averaged about 75¢ per ton under the year before. Quotations the first months of 1970 held at a steady level of $17.50 per ton. Increased demand and a supply clean-up, however, raised the 1970 closing price to $19.00 per ton. The major portion of citrus molasses was added to citrus pulp and sold for feed.

Corn (Hydrol) Molasses

Prices of corn molasses followed cane molasses and showed a price reduction of almost $3.00 per ton during the year. The 1970 annual average price of $31.50 per ton was about $2.50 higher than last year's average.


MOLASSES PRICES
F.O.B. Tank Car, New Orleans
¢ PER GAL.
20
15
10
5
1965
1966
1967
1968
1969
1970

Comparative Values

The relationship between corn and molasses prices continued to favor molasses during 1970. The higher corn prices last summer and fall more than offset the increased molasses prices. Over the long-term molasses and corn prices about equal out, assuming 6-1/2 gallons of molasses has the equivalent feeding value of one bushel of corn.

SUPPLY AND DISTRIBUTION

Production of mainland blackstrap in 1970 was estimated to be about 13 million gallons greater than 1969. Increased in-shipments from Hawaii and Puerto Rico contributed to the higher supplies. These two areas shipped about 7 million gallons more than last year. Assuming an extraction rate of 5.4 gallons per ton of beets, the production of beet molasses in 1970 would be down about 12 million gallons from the record of 152 million gallons produced during the 1969 harvest season.

Molasses imports from foreign countries totaled 382 million gallons, an increase of 20 million over last year. This volume continues the upward trend of recent years and indicates an agressive demand by cattle feeders for molasses. Imports of about 81 million gallons of molasses from Mexico and 34 million gallons from the Dominican Republic were respectively 31 and 10 million gallons lower than in 1969. Despite this decrease, these two countries shipped about 30 percent of the total volume imported. Gains of about 10 million gallons were posted from Australia and Brazil. Kenya, normally a small shipper, exported about 7 million gallons of molasses, about seven times it's normal volume. New Orleans continued to be the principal receiving point, handling 130 million gallons, about 35 percent of the total imports. Receiving districts in Southern California showed total declines of about 21 million gallons which is about the same as in years prior to 1969. Northern California points remained about unchanged. Imports at New York continued to register declines, with the total received amounting to about 50 million gallons compared with 55 million gallons in 1969 and 70 million gallons the previous year.

Total available supplies were at a record high of 750.4 million gallons about 35 million gallons more than a year ago and 12 million more than the previous high established in 1968. Industrial utilization in the manufacture of distilled spirits and pharmaceuticals was estimated to be slightly higher than in 1969. Available supplies for feeding livestock in 1970 established a record of 588 million gallons. This represented an increase of 33 million over a year ago.

Table 1.--Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1969-70

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Av.
	--Cents per gallon--												
						New Orleans							
1969	11.00	11.00	11.50	11.75	11.75	11.75	11.75	12.50	13.80	14.50	15.00	15.00	12.60
1970	15.00	15.00	15.00	15.00	14.50	14.20	13.80	13.55	13.50	13.50	13.50	13.50	14.20
						Houston							
1969	11.50	11.50	12.25	12.50	12.50	12.50	12.50	13.25	14.30	15.00	15.50	15.50	13.20
1970	15.50	15.50	15.50	15.50	15.00	14.70	14.30	14.05	14.00	14.00	14.00	14.00	14.70
						Corpus Christi							
1969	11.50	11.50	12.10	12.50	12.50	12.50	12.50	13.25	14.30	15.00	15.50	15.50	13.20
1970	15.50	15.50	15.50	15.50	15.00	14.70	14.30	14.00	14.00	14.00	14.00	14.00	14.70
						El Paso							
1969	14.80	14.80	15.10	15.35	15.35	15.35	15.35	16.20	17.10	17.25	17.70	17.70	16.00
1970	17.70	17.70	17.70	17.70	17.10	16.75	16.20	15.90	15.90	15.90	15.90	15.90	16.70
						Phoenix							
1969	17.70	17.70	18.05	18.20	18.20	18.80	18.80	19.70	20.35	20.90	21.50	21.75	19.30
1970	21.75	21.75	21.75	21.75	21.75	21.80	21.75	21.30	21.30	21.30	21.40	21.60	21.60
						Mobile							
1969	11.00	11.00	11.75	12.00	12.00	12.00	12.00	12.90	13.90	14.60	15.25	15.25	12.80
1970	15.25	15.25	15.25	15.25	14.75	14.35	13.75	13.75	13.75	13.75	13.75	13.75	14.40
						South Florida							
1969	11.50	11.50	11.60	12.00	12.00	12.00	11.80	12.50	13.70	14.50	15.00	15.00	12.80
1970	15.00	15.00	15.00	15.00	14.50	14.30	13.80	13.50	13.50	13.50	13.50	13.50	14.20
						Savannah							
1969	12.00	12.00	12.75	13.00	13.00	13.00	13.00	13.75	14.80	15.50	16.00	16.00	13.70
1970	16.00	16.00	16.00	16.00	15.75	15.20	14.75	14.50	14.50	14.50	14.50	14.50	15.20
						Wilmington							
1969	12.25	12.25	13.00	13.25	13.25	13.25	13.25	14.00	15.05	15.75	16.25	16.25	14.00
1970	16.25	16.25	16.25	16.25	16.10	15.70	15.25	15.00	15.00	15.00	15.00	15.00	15.60

						Norfolk							
1969	12.50	12.50	13.25	13.50	13.50	13.50	13.50	14.10	15.30	16.00	16.50	16.50	14.20
1970	16.50	16.50	16.50	16.50	16.00	15.70	15.25	15.00	15.00	15.00	15.00	15.00	15.70
						Baltimore							
1969	12.50	12.50	13.25	13.50	13.50	13.50	13.50	14.25	15.30	16.00	16.50	16.50	14.20
1970	16.50	16.50	16.50	16.50	16.00	15.70	15.25	15.00	15.00	15.00	15.00	15.00	15.70
						Philadelphia							
1969	12.50	12.50	13.25	13.50	13.50	13.50	13.50	14.25	15.30	16.00	16.50	16.50	14.20
1970	16.50	16.50	16.50	16.50	16.00	15.70	15.25	15.00	15.00	15.00	15.00	15.00	15.70
						New York							
1969	12.50	12.50	13.25	13.50	13.50	13.50	13.50	14.25	15.30	16.00	16.50	16.50	14.20
1970	16.50	16.50	16.50	16.50	16.00	15.70	15.25	15.00	15.00	15.00	15.00	15.00	15.70
						Boston							
1969	13.00	13.00	13.75	14.00	14.00	14.00	14.00	14.75	15.80	16.50	17.00	17.00	14.70
1970	17.00	17.00	17.00	17.00	16.50	16.20	15.75	15.50	15.50	15.50	15.50	15.50	16.20
						Albany							
1969	13.00	13.00	13.70	14.00	14.00	14.00	14.00	14.75	15.80	16.50	17.00	17.00	14.70
1970	17.00	17.00	17.00	17.00	16.50	16.20	15.75	15.50	15.50	15.50	15.50	15.50	16.20
						Buffalo							
1969	15.90	15.90	16.70	16.90	16.90	16.90	16.90	17.65	19.10	20.00	20.50	20.50	17.80
1970	20.50	20.50	20.50	20.50	20.50	20.20	19.75	19.50	19.50	19.50	19.50	19.50	20.00
						Toledo							
1969	16.30	16.30	17.10	17.30	17.30	17.30	17.30	18.10	19.10	19.85	20.50	20.50	18.10
1970	20.90	20.90	20.90	20.90	20.70	20.60	20.30	20.20	20.20	20.20	20.20	20.20	20.50
						Cincinnati							
1969	14.50	14.40	15.70	16.10	16.10	16.10	16.10	16.90	18.20	19.10	20.00	20.00	16.90
1970	20.45	20.60	20.60	20.60	20.30	20.00	19.60	19.30	19.30	19.30	19.30	19.30	19.90
						Minneapolis							
1969	17.15	17.15	17.80	18.10	18.10	18.10	18.10	19.00	20.60	21.50	22.20	22.20	19.20
1970	22.20	22.20	22.20	22.20	21.60	21.40	21.00	20.80	20.80	20.85	20.85	20.85	21.40

(Continued on next page)

Table 1.--(Continued)--Molasses, blackstrap: Prices by months, f.o.b. tank car or tank truck, 1969-70

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
	--Cents per gallon--												
						Chicago							
1969	16.50	16.50	17.10	17.40	17.80	17.90	17.95	18.30	19.65	20.50	21.00	21.05	18.50
1970	20.90	20.90	20.90	20.90	20.50	20.55	20.20	19.80	19.80	19.80	19.80	19.80	20.30
						St. Louis							
1969	15.00	15.00	15.70	15.90	15.90	15.90	15.90	17.20	19.60	20.60	22.05	22.05	17.60
1970	21.60	21.60	21.60	21.60	21.00	20.30	19.40	18.60	18.70	19.20	19.20	19.20	20.20
						Kansas City							
1969	16.60	16.40	17.25	17.40	17.30	17.30	17.30	18.30	19.50	20.25	21.10	21.15	18.30
1970	21.40	21.40	21.40	21.40	20.95	20.85	20.40	20.10	20.10	20.10	20.20	20.30	20.70
						Omaha							
1969	16.70	16.70	17.30	17.50	17.50	17.50	17.50	18.30	19.60	20.50	21.40	21.40	18.50
1970	21.85	21.95	21.95	21.95	21.05	21.05	20.80	20.55	20.55	20.55	20.55	20.55	21.10
						Memphis							
1969	15.50	15.50	16.30	16.60	16.60	16.60	16.60	17.40	19.00	20.00	21.05	21.05	17.70
1970	21.05	21.05	21.05	21.05	20.50	20.35	20.10	19.90	19.90	19.90	19.90	19.90	20.40
						Denver							
1969	20.10	20.10	20.25	20.25	20.10	20.10	20.10	20.80	21.70	22.15	22.95	23.25	21.00
1970	23.25	23.25	23.25	23.10	22.60	22.50	22.20	21.95	21.95	21.95	22.15	22.70	22.60
						California Ports							
1969	13.90	13.80	14.00	14.10	14.20	14.55	14.70	15.30	16.15	16.70	17.25	17.30	15.20
1970	17.35	17.35	17.35	17.35	16.90	16.75	16.75	16.75	16.75	16.75	16.75	16.75	17.00
						Pacific Northwest Ports							
1969	14.10	14.10	14.10	14.10	14.25	14.70	14.70	15.20	16.15	16.70	17.30	17.30	15.20
1970	17.35	17.35	17.35	17.35	16.90	16.75	16.75	16.75	16.75	16.75	16.75	16.75	17.00

Table 2.--Molasses, beet, citrus and corn (hydrol): Prices by months, f.o.b. tank car or tank truck, 1969-70

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Av.
	--Dollars per ton--												
Beet molasses													
	Colorado, Wyoming and Montana												
1969	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.50	34.70	35.50	35.50	37.20	34.90
1970	37.40	37.40	37.40	37.40	37.40	37.40	35.15	35.15	35.15	35.60	35.75	35.75	36.40
	Oregon, Utah and Idaho												
1969	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00
1970	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00
Citrus molasses													
	Florida Points												
1969	20.00	20.00	20.00	19.00	17.50	17.50	17.50	17.50	17.50	17.50	17.50	17.50	18.25
1970	17.50	17.50	16.00	16.00	17.50	17.50	17.50	17.50	17.50	17.50	18.40	19.00	17.50
Corn (hydrol) molasses													
	Chicago												
1969	27.00	27.00	27.00	28.00	28.00	28.00	28.00	28.75	29.60	31.00	31.75	32.40	28.90
1970	33.00	33.00	33.00	33.00	32.50	31.80	31.00	30.00	30.00	30.00	30.00	30.25	31.50
	Kansas City												
1969	27.00	27.00	27.00	27.40	28.00	28.00	28.00	28.75	29.60	31.00	31.75	32.40	28.80
1970	33.00	33.00	33.00	33.00	32.50	31.80	31.00	30.00	30.00	30.00	30.00	30.25	31.50

Table 3.--Price comparisons between molasses and No. 2 yellow corn at Baltimore, Chicago and Kansas City, 1966-70 1/

Year	Baltimore			Chicago			Kansas City		
	Corn bu.	Molasses 6½ gal.	Difference	Corn bu.	Molasses 6½ gal.	Difference	Corn bu.	Molasses 6½ gal.	Difference
	--Cents--								
1966	141.0	92.6	+48.4	136.8	119.7	+17.1	136.3	124.7	+11.6
1967	133.0	117.5	+15.5	129.5	145.0	-15.5	129.6	146.3	-16.7
1968	114.0	100.1	+13.9	113.8	124.7	-10.9	119.6	125.8	- 6.2
1969	130.0	92.3	+37.7	123.5	120.3	+ 3.2	125.2	119.0	+ 6.2
1970	143.5	102.1	+41.4	137.3	132.0	+ 5.3	136.0	134.6	+ 1.4

1/ A "rule of thumb" measure-- 6-1/2 gallons of molasses are about equivalent in carbohydrate value to one bushel of corn--is widely used to compare the carbohydrate value of molasses and corn. This measure is based on experiments conducted to evaluate the energy produced from one bushel of corn and the amount of molasses required to produce the same amount of energy.

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Table 4.--Molasses: Hawaiian and Puerto Rican production, shipments to the U. S. mainland, and exports to other countries, 1966-70

Year	Hawaii		Puerto Rico		
	Production 1/	Shipments to U. S. mainland 2/	Production 3/	Shipments to U. S. mainland 4/	Exports to other countries 4/
	--1,000 gallons--				
1966	59,772	60,271	60,700	8,124	18,653
1967	61,419	55,662	52,100	5,618	14,120
1968	62,936	66,157	43,955	6,201	9,134
1969	58,198	48,430	41,600	4,614	5,893
1970	5/ 55,143	56,937	5/ 44,200	3,193	8,794

1/ Statistical Reporting Service, U. S. Department of Agriculture.
2/ Hawaiian Sugar Planters Association.
3/ Association of Sugar Producers of Puerto Rico.
4/ Bureau of the Census, U. S. Department of Commerce.
5/ Estimated.

Table 5.--Feed and industrial molasses: U. S. production, inshipments, imports, and exports, 1961-70

Year	Production						
	Cane						
	Mainland mills 1/	Refiners' blackstrap 2/	Inshipments: Hawaii 3/	Inshipments: Puerto Rico 4/	Inshipments: Total cane		
	--1,000 gallons--						
1961-65 average	80,647	36,052	52,328	24,395	193,422		
1966	82,952	39,443	60,271	8,124	190,790		
1967	97,206	37,936	55,662	5,619	196,423		
1968	87,121	46,113	66,157	7,008	206,399		
1969	74,139	42,700	48,430	4,778	170,047		
1970 8/	87,000	49,000	56,937	3,193	196,130		

Year	Production			Total domestic	U. S. imports 7/	U. S. Mainland exports 7/	Total available supplies
	Beet 5/	Citrus 6/	Hydrol				
	--1,000 gallons--						
1961-65 average	113,628	6,792	26,283	340,125	265,884	3,367	602,642
1966	113,755	9,788	23,125	337,458	314,157	1,586	650,029
1967	99,826	17,291	20,400	333,940	350,548	996	683,492
1968	136,694	9,063	21,000	373,156	368,091	3,077	738,190
1969	152,000	13,732	21,000	356,779	361,663	2,992	715,450
1970 8/	140,000	11,885	22,000	370,015	381,859	1,447	750,427

1/ Statistical Reporting Service, U.S. Department of Agriculture
2/ Agricultural Stabilization and Conservation Service, U.S. Department of Agriculture
3/ Shipments to U.S. mainland only. Hawaiian Sugars Planters Association.
4/ Shipments to U.S. mainland only. Bureau of Census.
5/ Year beets harvested. Agricultural Stabilization and Conservation Service.
6/ Florida Citrus Processors Association.
7/ Bureau of the Census, Department of Commerce.
8/ Estimated.

Table 6.--Molasses, inedible: U. S. imports by country of origin, 1966-70

Country of origin	1970	1969	1968	1967	1966
	--1,000 gallons--				
Angola	-	-	-	-	942
Australia	28,010	18,272	49,203	20,137	22,117
Bahamas	843	494	-	-	94
Barbados	8,862	1,034	991	6,757	2,390
Belgium and Luxembourg	-	1,628	-	-	-
Brazil	32,633	20,136	17,862	19,935	-
British Honduras	5,365	2,362	4,566	2,266	1,267
British Pacific Islands	3,447	-	-	-	-
Bulgaria	-	-	5,112	1,509	-
Cambodia	1,969	-	-	-	-
Canada	419	522	668	1,217	1,274
Colombia	8,090	9,095	11,873	15,392	6,271
Congo	-	2,182	-	-	-
Costa Rica	837	-	828	1,000	-
Dominican Republic	34,325	44,363	28,914	40,171	47,533
Ecuador	9,674	8,480	4,817	5,022	10,888
El Salvador	6,139	1,331	5,157	4,048	1,210
France	14,015	9,146	7,935	5,767	6,076
French West Indies	-	-	570	5,412	3,526
Greece	1,247	-	2,075	4,300	-
Guatemala	6,801	4,216	7,193	6,528	5,292
Guyana	5,839	2,295	3,620	2,516	1,837
Haiti	4,167	3,444	3,189	5,688	4,056
Honduras	1,215	3,116	2,153	1,038	2,327
India	5,554	-	-	-	3,278
Indonesia	-	2,230	4,630	-	3,278
Israel	3,348	-	-	-	-
Italy	-	4,795	8,689	2,023	-
Jamaica	18,376	14,996	26,928	19,138	16,508
Kenya	7,422	-	954	-	-
Leeward & Windward Islands	1,273	-	1,773	-	406
Mauritania	3,727	-	6,207	-	-
Mauritius	5,958	15,327	10,657	6,583	6,219
Mexico	81,387	112,481	94,335	130,705	99,312
Morocco	3,947	1,848	1,681	-	2,119
Mozambique	3,340	1,984	-	-	-
Netherlands	-	-	6,010	-	578
Netherlands Antilles	-	-	-	-	1,424
Nicaragua	5,154	5,440	3,426	1,817	3,438
Pakistan	9,898	2,738	2,000	-	-
Panama	2,655	978	3,343	2,662	830
Peru	11,675	7,421	6,061	19,154	24,665
Philippines	10,665	19,366	-	963	4,246
Poland	-	-	-	-	6,817
Republic of China (Taiwan)	-	-	-	4,722	3,811
Republic of South Africa	11,341	9,480	21,949	-	3,152
Switzerland	-	-	-	-	1,377
Thailand	-	1,451	-	-	-
Trinidad and Tobago	13,875	17,351	7,081	7,705	5,992
Turkey	-	4,247	1,802	-	-
United Kingdom	5,529	7,414	3,839	3,979	5,960
Venezuela	2,838	-	-	2,394	3,647
Total	381,859	361,663	368,091	350,548	314,157

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Table 7.--Molasses, inedible: U. S. imports by customs districts, 1966-70

Custom districts	1970	1969	1968	1967	1966
	--1,000 gallons--				
Arizona	3,498	4,839	5,155	4,800	5,037
Buffalo	-	113	81	2,446	3,047
Chicago	211	-	-	-	-
Connecticut	11,280	11,385	5,251	3,307	428
Dakota	-	-	-	-	23
El Paso	15,335	14,367	12,954	13,745	8,539
Florida	3,642	3,002	8,620	1,517	2,378
Galveston	8,045	2,798	1,431	5,199	3,395
Georgia	7,247	2,377	4,540	4,247	5,677
Houston	57,973	60,415	35,976	44,985	40,717
Laredo	1,286	1,644	221	1,152	685
Los Angeles	17,718	23,335	19,525	18,441	22,139
Maine & New Hampshire	173	151	140	161	134
Maryland	20,132	25,696	22,860	20,037	15,106
Massachusetts	3,305	1,751	2,841	4,605	2,137
Michigan	-	-	92	30	154
Mobile	13,028	17,142	12,890	13,683	9,404
New Orleans	130,007	93,122	108,049	113,359	102,906
New York	50,739	55,657	70,523	49,006	54,329
North Carolina	3,635	3,800	4,699	4,639	3,904
Ohio	1,539	1,845	2,267	1,980	1,876
Philadelphia	7,076	7,717	26,585	11,442	12,584
Puerto Rico	7,091	1,661	5,407	1,086	-
Sabine	3,647	2,117	2,456	3,154	2,479
San Diego	4,804	19,239	9,495	9,259	4,130
San Francisco	4,840	4,857	2,660	12,926	8,313
Vermont	411	366	297	489	802
Virginia	3,612	2,267	2,916	4,618	3,715
Washington	1,585	-	160	235	119
Total	381,859	361,663	368,091	350,548	314,157

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Table 8.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1970

Country	Arizona	Chicago	Conn.	El Paso	Florida	Galveston
			--1,000 gallons--			
Australia	-	-	-	-	-	-
Bahamas	-	-	-	-	843	-
Barbados	-	-	-	-	-	-
Brazil	-	-	1,063	-	-	2,981
British Honduras	-	-	-	-	-	-
British Pacific Islands	-	-	-	-	-	-
Cambodia	-	-	-	-	-	-
Canada	-	-	-	-	-	-
Colombia	-	-	-	-	-	-
Costa Rica	-	-	-	-	-	-
Dominican Republic	-	-	-	-	1,901	-
Ecuador	-	-	-	-	-	-
El Salvador	-	-	-	-	-	-
France	-	-	6,709	-	-	-
Greece	--	-	-	-	-	-
Guatemala	-	-	-	-	-	-
Guyana	-	-	-	-	-	-
Haiti	-	-	-	-	-	-
Honduras	-	-	-	-	-	-
India	--	-	-	-	-	-
Israel	-	-	-	-	-	-
Jamaica	-	211	-	-	-	-
Kenya	-	-	-	-	-	-
Leeward and Windward Is.	-	-	-	-	-	-
Mauritania	-	-	-	-	-	-
Mauritius	-	-	-	-	-	-
Mexico	3,498	-	-	15,335	898	-
Morocco	-	-	1,042	-	-	-
Mozambique	-	-	-	-	-	-
Nicaragua	-	-	-	-	-	-
Pakistan	-	-	-	-	-	-
Panama	-	-	-	-	-	-
Peru	-	-	-	-	-	1,188
Philippines	-	-	-	-	-	-
Republic of South Africa	-	-	2,466	-	-	-
Trinidad and Tobago	-	-	-	-	-	3,876
United Kingdom	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-
Total	3,498	211	11,280	15,335	3,642	8,045

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Table 8.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1970

Georgia	Houston	Laredo	Los Angeles	Maine & N.H.	Maryland	Massachusetts	Mobile
			--1,000 gallons--				
-	8,148	-	-	-	4,563	-	-
-	-	-	-	-	-	-	-
-	1,296	-	-	100	-	-	-
904	2,477	-	-	-	936	-	-
-	4,569	-	-	-	-	-	796
-	-	-	3,447	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	73	-	-	-
-	2,251	-	-	-	-	-	2,313
-	-	-	-	-	-	-	-
-	-	-	-	-	4,497	2,675	-
-	2,750	-	-	-	-	-	-
-	762	-	2,384	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	1,247	-	-
-	5,120	-	1,681	-	-	-	-
-	982	-	-	-	2,254	-	-
-	-	-	-	-	-	-	-
-	1,215	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	8,986	-	-	-	-	-	1,026
-	-	-	-	-	2,613	-	-
-	-	-	-	-	-	-	-
-	-	-	-	-	1,117	-	-
1,129	-	-	-	-	--	-	-
-	8,524	1,286	8,365	-	-	630	7,071
-	-	-	-	-	2,905	-	-
1,241	-	-	-	-	-	-	-
-	-	-	736	-	-	-	-
1,441	2,213	-	-	-	-	-	-
-	-	-	-	-	-	-	-
-	2,905	-	-	-	-	-	-
-	-	-	1,105	-	-	-	-
-	4,951	-	-	-	-	-	-
2,532	824	-	-	-	-	-	1,822
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7,247	57,973	1,286	17,718	173	20,132	3,305	13,028

(Continued on next page)

Table 8.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1970 (continued)

Country	New Orleans	New York	North Carolina	Ohio	Philadelphia	Puerto Rico
	--1,000 gallons--					
Australia	3,412	8,596	-	-	2,043	-
Bahamas	-	-	-	-	-	-
Barbados	7,466	-	-	-	-	-
Brazil	21,681	-	-	-	2,591	-
British Honduras	-	-	-	-	-	-
British Pacific Islands	-	-	-	-	-	-
Cambodia	1,969	-	-	-	-	-
Canada	-	-	-	-	-	-
Colombia	3,526	-	-	-	-	-
Costa Rica	-	-	-	-	-	-
Dominican Republic	13,297	5,857	916	1,539	1,629	868
Ecuador	6,253	-	-	-	-	-
El Salvador	2,993	-	-	-	-	-
France	-	7,306	-	-	-	-
Greece	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-
Guyana	429	-	-	-	-	2,174
Haiti	411	3,756	-	-	-	-
Honduras	-	-	-	-	-	-
India	3,392	-	-	-	-	-
Israel	3,348	-	-	-	-	-
Jamaica	3,492	1,475	-	-	-	3,186
Kenya	-	3,996	-	-	813	-
Leeward and Windward Is.	1,273	-	-	-	-	-
Mauritania	2,610	-	-	-	-	-
Mauritius	3,546	-	-	-	-	-
Mexico	26,846	1,977	2,719	-	-	-
Morocco	-	-	-	-	-	-
Mozambique	2,099	-	-	-	-	-
Nicaragua	1,934	-	-	-	-	-
Pakistan	-	6,244	-	-	-	-
Panama	2,655	-	-	-	-	-
Peru	7,582	-	-	-	-	-
Philippines	5,076	-	-	-	-	-
Republic of South Africa	1,879	2,045	-	-	-	-
Trinidad and Tobago	-	3,958	-	-	-	863
United Kingdom	5,529	-	-	-	-	-
Venezuela	2,838	-	-	-	-	-
Total	130,007	50,739	3,635	1,539	7,076	7,091

Table 8.--Molasses, inedible: U. S. imports by country of origin and customs districts, 1970 (continued)

Sabine	San Diego	San Francisco	Vermont	Virginia	Washington	Total
-	-	-	-	1,248	-	28,010
-	-	-	-	-	-	843
-	-	-	-	-	-	8,862
-	-	-	-	-	-	32,633
-	-	-	-	-	-	5,365
-	-	-	-	-	-	3,447
-	-	-	-	-	-	1,969
-	-	-	346	-	-	419
-	-	-	-	-	-	8,090
-	837	-	-	-	-	837
-	-	-	65	1,081	-	34,325
671	-	-	-	-	-	9,674
-	-	-	-	-	-	6,139
-	-	-	-	-	-	14,015
-	-	-	-	-	-	1,247
-	-	-	-	-	-	6,801
-	-	-	-	-	-	5,839
-	-	-	-	-	-	4,167
-	-	-	-	-	-	1,215
-	-	577	-	-	1,585	5,554
-	-	-	-	-	-	3,348
-	-	-	-	-	-	18,376
-	-	-	-	-	-	7,422
-	-	-	-	-	-	1,273
-	-	-	-	-	-	3,727
-	-	-	-	1,283	-	5,958
2,976	851	411	-	-	-	81,387
-	-	-	-	-	-	3,947
-	-	-	-	-	-	3,340
-	833	1,651	-	-	-	5,154
-	-	-	-	-	-	9,898
-	-	-	-	-	-	2,655
-	-	-	-	-	-	11,675
-	2,283	2,201	-	-	-	10,665
-	-	-	-	-	-	11,341
-	-	-	-	-	-	13,875
-	-	-	-	-	-	5,529
-	-	-	-	-	-	2,838
3,647	4,804	4,840	411	3,612	1,585	381,859

Table 9.--Molasses, inedible: U. S. exports by country of destination, 1966-70 1/

Country of Destination	1970	1969	1968	1967	1966
	--1,000 gallons--				
Bahamas	-	-	2	-	-
Belgium & Luxembourg	-	-	2	-	-
Bermuda	-	16	2	3	-
Canada	1,277	2,439	4,788	4,465	3,883
Chile	-	-	-	945	-
France	-	-	-	-	2,182
Ghana	-	-	-	-	1
Hong Kong	-	-	2	-	-
India	92	55	-	2	133
Iran	-	-	8	-	-
Ireland	-	4	-	-	-
Israel	5	-	-	-	-
Italy	-	-	1,347	-	230
Jamaica	-	-	-	-	3
Japan	-	6	2,987	19	-
Libya	-	-	3	-	2
Mexico	64	63	173	369	25
Netherlands	6,540	5	3,217	6,460	11,462
Netherlands Antilles	2,254	2,254	817	-	-
Panama	-	-	7	-	-
Philippines	-	-	6	2	-
Republic of South Africa	-	-	-	-	4
Singapore	-	-	2	1	-
Spanish Africa	-	-	-	-	2
Sweden	-	-	-	3	-
Switzerland	-	-	-	426	-
United Kingdom	9	4,034	1,834	2,421	2,312
West Germany	-	9	-	-	-
Total	10,241	8,885	15,197	15,116	20,239

1/ Includes exports from Puerto Rico

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Table 10.--Molasses, inedible: U. S. exports by country of destination and customs districts, 1970

Country	New York	San Diego	Seattle	Great Falls	North Dakota	Detroit	Puerto Rico	
	--1,000 gallons--							
Netherland Antilles	-	-	-	-	-	-	2,254	2,254
Israel	5	-	-	-	-	-	-	5
Canada	-	-	140	64	712	361	-	1,277
Netherlands	-	-	-	-	-	-	6,540	6,540
United Kingdom	9	-	-	-	-	-	-	9
India	92	-	-	-	-	-	-	92
Mexico	-	64	-	-	-	-	-	64
Total	106	64	140	64	712	361	8,794	10,241

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Table 11.--Molasses: Estimated utilization, United States, 1966-70

Year	Industrial				Mixed feeds, direct feeding and silage 1/	Total utilization
	Distilled spirits	Yeast, citric acid	Pharmaceuticals and edible molasses	Total		
	--Million gallons--					
1966	9.3	100.0	50.0	159.3	490.7	650.0
1967	28.7	100.0	51.5	180.2	503.3	683.5
1968	17.8	100.0	52.5	170.3	567.9	738.2
1969	6.2	100.0	53.5	159.7	555.8	715.5
1970 2/	8.2	100.0	54.0	162.2	588.2	750.4

1/ Molasses utilized in feeds is a residual item, calculated by subtracting molasses used industrially from total mainland supplies without considering changes in stocks.

2/ Estimated.

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